

2. *SCÆVOLA*, L.

429. *S.?* *Novæ Zelandiæ*, calyce (quinquepartito?) ovario multo brevior, foliis obovatis obtusis valde reticulatis glabris distanter denticulatis, axillis barbatis.

New Zealand (Northern Island). On the sea coast, opposite the Cavallos Isles.—1834, *R. Cunningham*.

From the very imperfect specimens I possess, the genus of this remarkable plant cannot be satisfactorily determined. The presence, however, of barbated stipuliform appendages at the axillæ, as also of the bilocular fruit, have induced me to place it here rather than with *Euphorbiaceæ*, with which habit, &c., seem to indicate its affinity.

[To be continued.]

VIII.—*An attempt to ascertain the Fauna of Shropshire and North Wales.* By T. C. EYTON, Esq., F.L.S.

[Continued from vol. i. p. 293.]

No. III. *Aves*.

*Charadrius pluvialis*, Linn. (Golden Plover.) Has several times occurred in the district during winter; is said to breed on the mountains above Chirk Castle.

*Charadrius hiaticula*, Linn. (Ringed Plover.) Common in the neighbourhood of Holyhead and Rhoscolyn, where I have several times found the eggs.

*Vanellus cristatus*, Meyer. (Lapwing.) Common both during summer and winter.

*Œmatopus ostralegus*, Linn. (Oyster Catcher.) Common on the Welsh coast. A remarkable change in the form of the bill takes place in the young of this species during its progress towards maturity. On leaving the egg the bill is not very unlike in form to that of the golden Plover, and well adapted for picking up minute insects and mollusca, at that time its natural food; indeed, had it the perfect wedge-shaped bill of the adult, the strength necessary to divide as it were the limpet from the rock would be wanting.

*Squatula cinerea*. (Grey Squatarole.) One specimen has been sent to me obtained during last winter near Holyhead.

*Ardea cinerea*, Linn. (Common Heron.) Breeds in several localities within the district; numbers of nests may be seen on the precipitous rocks in the neighbourhood of the South Stack lighthouse; when the young are nearly fledged, if a noise be made under the nests by striking the oars against the side of the boat, they will often spring out and fall into the sea.

*Ardea (Botaurus, Steph.) stellaris*, Ray. (Bittern.) Several specimens have occurred. A hatch of these birds came off at Cosford Pool, near Nufnal, in 1836.

*Nycticorax europæus*, Steph. (Night Heron.) Two specimens have occurred within the district; one killed near Wroxeter in the young state of plumage, now in the possession of Mr. Stanier of that place; the second on an estate belonging to Bukeley Owen, Esq. in Anglesea, in the adult plumage.

*Platalea Leucorodia*, Linn. (Spoonbill.) I am informed that a specimen is in the collection of a gentleman near Aberystwith, killed near that place.

*Scolopax (Numenius, Lath.) arquata*, Linn. (Curlew.) Breeds on Whixan moss in Shropshire, and in the neighbourhood of Holyhead.

*Scolopax (Numenius, Lath.) Pheopus*, Linn. (Whimbrel Curlew.) A specimen is in my collection killed at Betton Pool, near Shrewsbury.

*Scolopax Rusticola*, Linn. (Woodcock.) Common.

*Scolopax Gallinago*, Linn. (Snipe.) Common.

*Scolopax Gallinula*. (Jack Snipe.) Common.

*Limosa rufa*. (Black-tailed Godwit.) Several specimens have occurred.

*Tringa subarquata*, Gmel. (Pigmy Curlew.) A specimen in my collection killed Sept. 1836 on Shrewsbury race-course.

*Tringa alpina*, Linn. (Dunlin.) Common everywhere on the Welsh coast during summer, and often killed inland during the winter months.

*Tringa Schinzii*, —. (Schinz's Sandpiper.) A specimen killed near Stoke Heath is in Sir Rowland Hill's collection.

*Tringa maritima*, Gmel. (Purple Sandpiper.) One specimen only, which has been received from Holyhead.

*Phalaropus lobatus*, Lath. (Grey Phalarope.) Two or three specimens have occurred; one is in the possession of the Rev. John Roch of Clungunford; another killed near Montford-bridge is in my own.

*Tringa (Streptilas, Ill.) Interpres*, Linn. (Turnstone.) Common on the Anglesea coast.

*Totanus Calidris*, Linn. (Redshank.) I once killed several out of a flight of at least fifty near Rhoscelyn.

*Totanus Ochropus*, Linn. (Green Sandpiper.) Often killed inland as well as on the coast.

*Totanus Hypoleucos*, Linn. (Common Sandpiper.) Common on the coasts and islands.

*Rallus aquaticus*, Ray. (Water Rail.) Common on the wild moors.

*Crex pratensis*, Bechs. (Corn Crake.) Common during the summer months.

*Gallinula chloropus*, Ray. (Moor Hen.) Common.

*Fulica atra*, Ray. Common.

*Podiceps cristatus*, Linn. (Crested Grebe.) Common on the meres in the neighbourhood of Ellesmere, where it breeds; its food is entirely vegetable. I have several times attempted to keep this bird alive in confinement, but never with success. Both males and females possess two pairs of muscles of voice similar to those described by Mr. Yarrell to exist in the Indian Crowned Pigeon.

*Podiceps minor*, Lath. (Lesser Grebe.) Common.

*Colymbus glacialis*, Linn. (Northern Diver.) Several specimens have occurred both on the meres of Shropshire and on the Severn, during winter. The trachea of this as well as the two following is acted upon by two pairs of muscles of voice similar to those found in the grebe, but stronger.

*Colymbus arcticus*, Ray. (Black-throated Diver.) One specimen occurred last winter; the trachea as in the last.

*Colymbus septentrionalis*, Linn. (Red-throated Diver.) Occurs every winter: trachea as in the two preceding.

*Uria Troile*, Briss. (Guillemot.) Common. We are convinced that *U. Brunnichii* is not distinct.

*Fratercula arctica*, Steph. (Puffin.) Breed on Priestholm island off Beaumaris in the greatest abundance; also at the Skerries off Holyhead.

*Alca Torda*, Linn. (Razor Bill.) Common on the coast.

*Procellaria (Thalassidroma, Leach.) pelagica*, Linn. (Stormy Petrel.) Two or three specimens have occurred both inland and on the coast.

*Thalassidroma Leachii*, Steph. (Leach's Petrel.) One specimen only has occurred; it was killed on the Severn near Montford-bridge, and is in my collection.

*Lestris*, Temm. Birds of this genus are said to have occurred, but I have never been able to obtain any for examination.

*Gavia (Rissa, Leach.) cinerea*, Briss. (Kittiwake.) Common.

*Larus canus*, Linn. (Common Gull.) Common.

*Larus argentatus*, Brun. (Herring Gull.) Breeds plentifully along the whole line of the Welsh coast.

*Larus fuscus*, Linn. (Lesser Black-backed Gull.) One specimen is in my collection: killed near Holyhead.

*Larus marinus*, Linn. (Greater Black-backed.) Said to breed near the South Stack lighthouse, but I have never observed it. My specimen was killed feeding at a dead horse near Holyhead.

*Chroicocephalus ridibundus*, nobis. (Laughing Gull.) Common.

*Chroicocephalus capistratus*, nobis. (Brown-headed Gull.) One specimen only has occurred and is in my collection: killed near Bangor.

*Sterna arctica*, Temm. (Arctic Tern.) Breed on the Skerries: the trachea possesses a second pair of muscles of voice besides the usual sterno-tracheal ones corresponding to the fifth pair of Mr. Yarrell found in the Raven.

*Sterna marina*, Ray. (Common Tern.) Also breeds at the Skerries.

*Sterna Dougallii*, Mont. (Roseate Tern.) One specimen is in my possession, killed near Longden mill, three or four years ago.

*Phalacrocorax Carbo*, Auct. (Common Ray.) Breeds in numbers on Holyhead mountain.

*Phalacrocorax Graculus*, Lath. (Crested Cormorant.) One or two nests of this species are found every year on Cardinal's Point; both this and the foregoing possess two pairs of muscles of voice, the first, the usual sterno-tracheal ones, the second continued from the point at which the first pair branch off to the upper rings of the bronchiæ, between which and the last tracheal ring is situated a membrane stretched and able to be rendered more or less tense by the action of the muscle.

*Sula Bassana*, Briss. (Gannet.) I never heard but of the occurrence of one specimen in the district; it was picked up exhausted, in the neighbourhood of Holyhead.

*Mergus Merganser*, Ray. (Common Merganser.) Often killed on the Welsh lakes and on the Severn during hard weather.

*Mergus albellus*, Linn. (Smew.) Found in the same localities as the preceding.

*Mergus cucullatus*, Linn. (Hooded Merganser.) One specimen is in my collection, killed on the Menai Straits during the winter of 1834; it is a young male of the year.

*Mergus Serrator*, Linn. (Red-breasted Merganser.) One or two specimens occurred last winter on the Severn.

*Clangula chrysophthalmos*, Steph. (Common Golden Eye.) Common on the coast, and occasionally found on inland waters during winter.



*Fuligula cristata*, Steph. (Crested Pochard.) Also found on the coast during winter.

*Fuligula Marila*, Steph. (Scaup Duck.) Not nearly so common as the other species of the genus, and never killed inland.

*Fuligula ferina*, Steph. (Red-headed Pochard.) Found with the preceding always on the sea.

*Melanitta nigra*, Bore. (Black Scoter.) Several times obtained from the coast. The female of this species has the trachea acted upon by two pairs of muscles of voice.

*Anas Boschas*, Linn. (Common Wild Duck.) Common.

*Rhynchaspis clypeata*, Steph. (Shoveller.) Not uncommon both on the coast and inland during winter.

*Querquedula Crecca*, Steph. (Common Teal.) Common in the district, and occasionally breeds on the Welsh lakes.

*Mareca fistularis*, Steph. (Widgeon.) Common.

*Dafila caudacuta*, Steph. (Pintail.) Not uncommon on the Welsh coast during winter; the only specimen I ever heard of being killed inland, was obtained during the winter 1832-3 on Ruyton brook.

*Tadorna Bellonii*, Steph. (Common Shieldrake.) I have more than once received this bird from Holyhead. A specimen is in the collection of the Shropshire and North Wales Natural History Society, killed near Eccleshall, which is the only one I ever heard of being killed inland. In the neighbourhood of Holyhead it is called the Stranger Duck, and breeds on a point jutting out to sea between Rhoscelyn and Abermenai, in its usual place, rabbits' holes.

*Cygnus ferus*, Ray. (Wild Swan.) Upwards of twenty specimens of this beautiful bird were killed during last winter, 1837, in Shropshire.

*Cygnus Bewickii*, Yarrell. (Bewick's Swan.) One specimen was killed two or three years ago on the upper part of the Severn; but though so many of the common species were met with last winter, not one of *C. Bewickii* occurred.

*Anser Segetum*, Steph. (Bean Goose.) Common during hard winters on the Weald moors and Ruggymoor.

*Anser Erythropus*, Flem. (Laughing Goose.) Has occasionally been killed in the district.

*Bernicla Leucopsis*, Bechst. (Common Bernacle.) Several times received from Holyhead during winter, and once observed on the river or creek separating Holyhead Island from Anglesea during summer.